

Untitled

September 30, 2022

```
[4]: 1/5
```

```
[4]: 0.2
```

```
[5]: 1//5
```

```
[5]: 0
```

```
[6]: 1%5
```

```
[6]: 1
```

```
[7]: print('hi')
```

```
hi
```

```
[10]: a='marvin'  
      print(a, 'says hi')
```

```
marvin says hi
```

```
[11]: 3>2 and 2>1
```

```
[11]: True
```

```
[12]: True and False
```

```
[12]: False
```

```
[13]: 3 and 2
```

```
[13]: 2
```

Why does `3>2 and 2>1` return True but `3 and 2` return 2? It is because when we run `3>2 and 2>1`, python evaluates the two conditions `3>2` and `2>1` to give True and True. Since both statements are True, it returns the last True statement.

```
[15]: False or True
```

```
[15]: True
```

```
[16]: 3 or 2
```

```
[16]: 3
```

```
[17]: 3>2 or 2>1
```

```
[17]: True
```

```
[18]: a = [1, 2, 3, 4, 5, 6, 7, 8, 9]
```

```
[19]: print(a[0])
```

```
1
```

```
[21]: print(a[-1])
```

```
9
```

```
[22]: b=a[:]
      print(b)
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9]
```

```
[24]: c = a[1:]
      print(c)
```

```
[2, 3, 4, 5, 6, 7, 8, 9]
```

```
[25]: d = a[:3]
      print(d)
```

```
[1, 2, 3]
```

```
[26]: e = a[::-1]
      print(e)
```

```
[9, 8, 7, 6, 5, 4, 3, 2, 1]
```

```
[30]: f = a[1::2]
      print(f)
```

```
[2, 4, 6, 8]
```

```
[31]: def compare(a,b):
      if a>b:
          return a
      else:
          return b
      compare(3,2)
```

```
[31]: 3
```

[]: